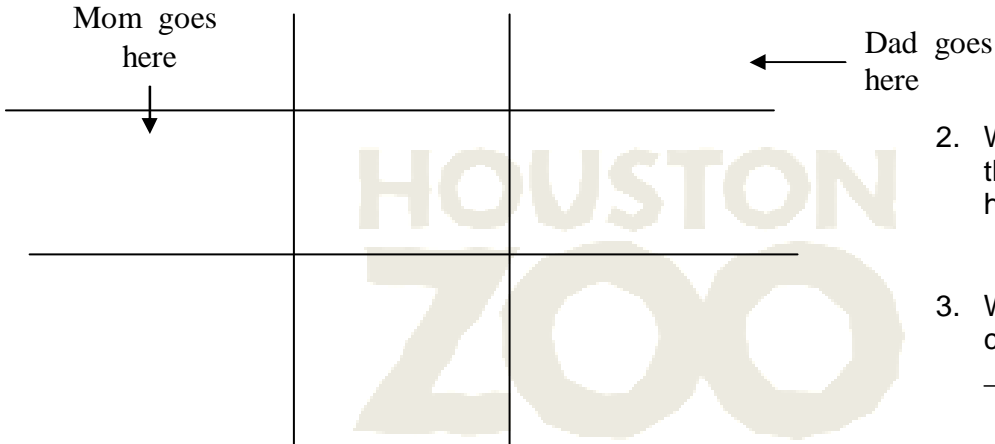


Now it is your turn. What do you think the Punnett square would look like if the dad had black hair and he was homozygous dominant and if the mom had blonde hair and she was homozygous recessive?

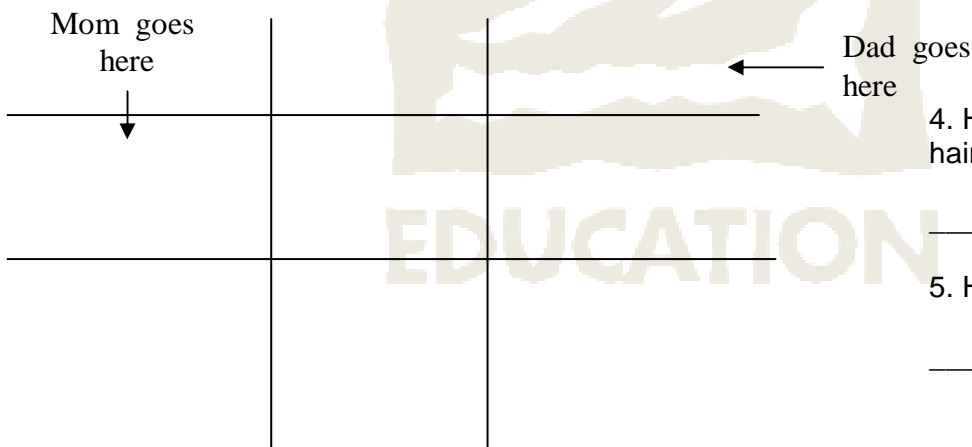
- When filling in the Punnett square below, use a capital "H" for dominant and a lower case "h" for recessive.



- What would be the chance that their child would have blonde hair? _____
- What would be the chance the child had black hair? _____

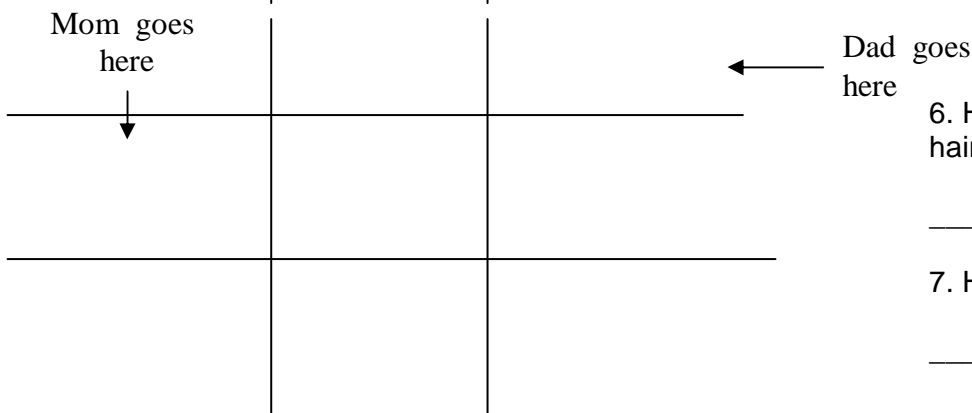
In the animal kingdom, you can also find many uses for the Punnett square. Animals pass on their genes to their offspring just like us. And like us, they can either have dominant or recessive genes, or be homozygous or heterozygous.

In domesticated cats, short hair is a dominate trait and long hair is a recessive trait. What are the possible offspring outcomes if you have a female cat with long hair and a male cat with short hair? Use this information to find out what the offspring of these cats would look like. When completing your Punnett squares, use a capital "H" for dominant and a lower case "h" for recessive. (Hint: you will have to do 2 Punnett square.) Use the space below to draw out your Punnett squares and write your outcome.



- How many would have short hair?

- How many would have long hair?



- How many would have short hair?

- How many would have long hair?
